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APPLICATION NO.	FIL	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/662,005	09/12/2003		Kevin J. Gierl	8610	
7590 12/15/2004			EXAMINER		
William L. Krayer				REDMAN, JERRY E	
1771 Helen Drive Pittsburgh, PA 15216				ART UNIT PAPER NUMBER	
u.g,				3634	

DATE MAILED: 12/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
Office Asticus Commence	10/662,005	GIERL ET AL.	
Office Action Summary	Examiner	Art Unit	
	Jerry Redman	3634	
The MAILING DATE of this communication appearing for Reply	pears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be ting ly within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 12 S	September 2004.		
2a) ☐ This action is FINAL . 2b) ☒ This	s action is non-final.		
3) Since this application is in condition for allowated closed in accordance with the practice under the condition of the			
Disposition of Claims			
4) Claim(s) 1-20 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-20 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	wn from consideration.		
Application Papers	•		
9) The specification is objected to by the Examina			
10)☐ The drawing(s) filed on is/are: a)☐ acc	cepted or b) objected to by the	Examiner.	
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E			
Priority under 35 U.S.C. § 119		,	
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat * See the attached detailed Office action for a list	nts have been received. Its have been received in Applicat Drity documents have been receiv Ru (PCT Rule 17.2(a)).	ion No ed in this National Stage	
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 9/12/04. 	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal I 6) Other:		

The applicant's information disclosure statement dated 9/12/2003 has been considered and a copy has been placed in the file.

Claims 1-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 1, line 1, the phraseology "self-correcting sensing element" is not readily understood. Exactly what is meant by "self-correcting". It appears that the sensing element is "flexible" and/or "resilient". In claim 8, line 1, it appears that –is—should be inserted after "7". In claim 13, lines 3-4, the phraseology "to detect presence or motion in or near said door" is not readily understood by the Examiner. Specifically, how can the device detect presence "in" the door? There is a lack of antecedent basis for the following: In claim 13, line 1, "the presence", line 2, "the path"; in claim 20, line 1, "the presence" and "the path". In claim 13, line 2, the applicant recites "a door". Is this the same door as the "automatic door" recited in claim 13, line 1?

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

⁽b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 1-3, 6-9, 13-15, and 19-20 are further rejected under 35 U.S.C. 102(b) as being anticipated by Simmons. Simmons discloses a sensing element device (10) in a doorway comprising a base (32), a generally elongated flexible support member (30, 28, and 24) having a base end (34) fastened to the base (32) and a working end (24) having an infrared light beam sensing element (i.e., a passive radiation element) being hardwire connected (column 3, lines 33-34) and oriented 90 degrees from the support member (30, 28, and 24).

Claims 1-3, 6-10, 13-15, and 18-20 are further rejected under 35 U.S.C. 102(b) as being anticipated by Strand. Strand discloses a flexible sensing element device (10) comprising a base (102), a generally elongated flexible support member (44) having a base end (34 and 36) connected to the base at slots (46 and 48) and a working end (the portion that extends below the base end), a photocell sensing element (56, i.e., a passive radiation element) having a hardwire connection (59) and oriented 90 degrees from the support member (44).

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 10 and 18 are further rejected under 35 U.S.C. 103(a) as being unpatentable over Simmons in view of Larsson. All of the elements of the instant

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invention are discussed in detail above except providing the sensing element to be a photocell. Larsson discloses a photocell-sensing element for a doorway. It would have been obvious to one of ordinary skill in the art at the time of the invention to provide the sensing of Simmons to be a photocell as taught by Larsson since photocell sensors can extend more accurately over a longer distance.

Claims 4, 5, 16, and 17 are further rejected under 35 U.S.C. 103(a) as being unpatentable over Strand in view of Levin et al. All of the elements of the instant invention are discussed in detail above except providing the support member to have a Shore hardness between 40-80 and more specifically between 50-70. Levin et al. disclose a sensor support (102) having a Shore hardness of 55 (column 4, lines 29-35). It would have been obvious to one of ordinary skill in the art at the time of the invention to provide the support member of Strand to have a Shore hardness of 55 as taught by Levin et al. since a Shore hardness of 55 would allow the support member to resiliently flex back to it's original shape upon being deformed.

Claims 11 and 12 are further rejected under 35 U.S.C. 103(a) as being unpatentable over Simmons in view of Evans. All of the elements of the instant invention are discussed in detail above except providing the sensing element to be microwave or ultrasonic. Evans discloses a sensing system using microwave or ultrasonic waves. It would have been obvious to one of ordinary skill in the art at the time of the invention to provide the sensor element of Simmons to be microwave or

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ultrasonic as taught by Evans since microwave and ultrasonic generate a greater

number of beams/pulses and therefore improves the accuracy of detecting an object in

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a path.

Claims 11 and 12 are further rejected under 35 U.S.C. 103(a) as being

unpatentable over Strand in view of Evans. All of the elements of the instant invention

are discussed in detail above except providing the sensing element to be microwave or

ultrasonic. Evans discloses a sensing system using microwave or ultrasonic waves. It

would have been obvious to one of ordinary skill in the art at the time of the invention to

provide the sensor element of Strand to be microwave or ultrasonic as taught by Evans

since microwave and ultrasonic generate a greater number of beams/pulses and

therefore improves the accuracy of detecting an object in a path.

The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure. U.S. patent to Haake et al. disclose a sensing device having a

Shore hardness between 40-60 similar to that of the applicant's invention.

Any inquiry concerning this communication should be directed to Jerry Redman

at telephone number 703-308-2120.

Primary Examiner